**Research module: YouTube channels and reports on terrorism**

**Assignment – R Basic Functions**

Based on the R basic functions introduced in the class, please use the dataset “RBasic\_data.xlsx” to complete the following three assignments. Please submit your R script of the assignment on Moodle.

Due date: Monday, November 30, 10am

**Assignment 1:**

Please import the dataset “RBasic\_data.xlsx” in RStudio. Please use the functions to build the two data frames as required below:

1. Dataframe1 including all the tweets in 2016.
2. Dataframe2 including these variables: date, like, retweet, reply.

**Assignment 2:**

There is a variable in the dataset called “generic” which stands for the generic news frame. The variable includes seven values: 1-Conflict, 2-Human interest, 3-Economic consequence, 4-Responsibility, 5-Morality, 6-Technology, 99-Other.

Please complete the following requirements:

1. Label the values in the variable “generic”.
2. Show the percentage distribution of the variable “generic”.

**Assignment 3:**

Please plot the following diagrams according to the following requirements:

1. A bar chart illustrating the “generic” variable.
2. A line chart showing the distribution of “retweet” numbers during 2015-2019.